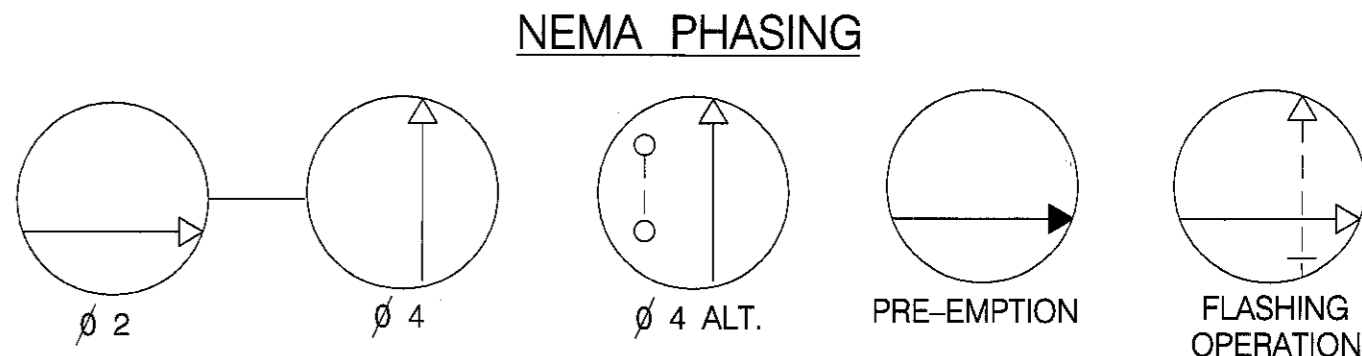
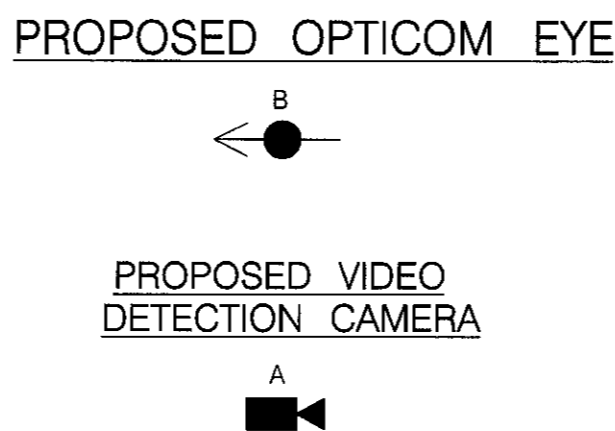
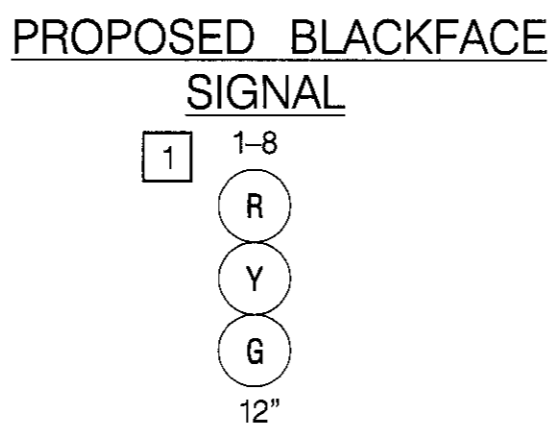
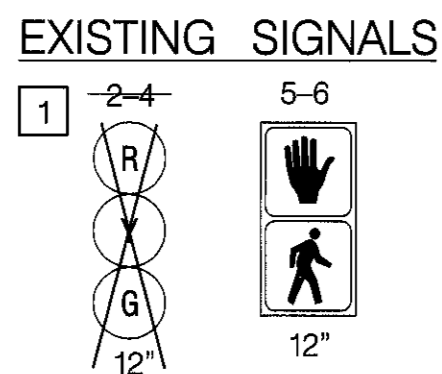


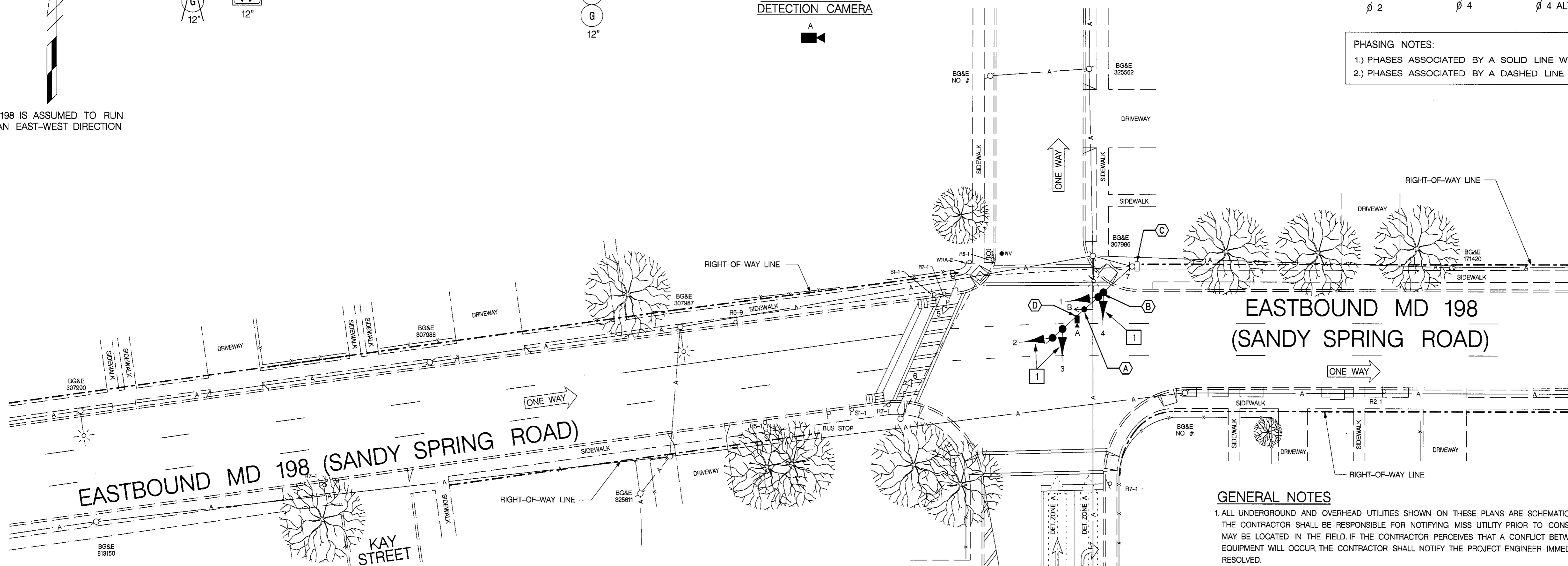
MD 198 IS ASSUMED TO RUN  
IN AN EAST-WEST DIRECTION



PHASING NOTES:

1.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

2.) PHASES ASSOCIATED BY A DASHED LINE MAY OPERATE CONCURRENTLY.



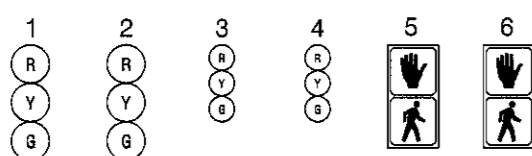
#### GENERAL NOTES

1. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THE CONFLICT MAY BE RESOLVED.
2. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT BEING REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE WORK.
3. THE EXISTING CABLE WILL BE USED WHEN REPLACING SIGNAL HEAD NO. 1.
4. INSTALL 4-CONDUCTOR OPTICOM CABLE FROM THE PROPOSED OPTICOM DETECTOR EYE, ALONG THE MAST ARM, DOWN THE POLE TO THE POLE MOUNTED CABINET.
5. DISCONNECT AND ABANDON EXISTING FOURTH STREET DETECTION.
6. INSTALL VIDEO DETECTION CABLE FROM THE PROPOSED VIDEO CAMERA, ALONG THE MAST ARM, DOWN THE POLE TO THE POLE MOUNTED CABINET.
7. THE QUANTITIES SHOWN ON THIS SHEET ARE FOR THIS INTERSECTION ONLY. QUANTITIES FOR THE ENTIRE PROJECT ARE SUMMARIZED ON THE GENERAL INFORMATION SHEET.
8. INSTALL NEW 7-CONDUCTOR CABLE FROM SIGNAL HEAD NOS. 2 & 3 TO THE CONTROLLER. NEW 5-CONDUCTOR CABLE WILL BE USED FOR SIGNAL HEADS NOS. 1 & 4.

#### CONSTRUCTION DETAILS

- A. INSTALL OPTICOM DETECTOR EYE ON EXISTING MAST ARM AS SHOWN.
- B. REMOVE EXISTING SIGNAL HEAD AND INSTALL NEW SIGNAL HEAD. REMOVE EXISTING SIGNAL HEADS AND INSTALL NEW SIGNAL HEADS.
- C. INSTALL DISCRIMINATOR MODULE, DETECTOR RACK RETROFIT, AND VIDEO DETECTION INTERFACE EQUIPMENT INTO EXISTING POLE MOUNTED CABINET.
- D. INSTALL VIDEO DETECTION CAMERA ON EXISTING MAST ARM.
- E. VIDEO DETECTION ZONE.

#### PHASE CHART



PHASE	1	2	3	4	5	6
PHASE 2	G	G	R	R	DW	DW
2 CHANGE	Y	Y	R	R	DW	DW
PHASE 4	R	R	G	G	DW	DW
4 CHANGE	R	R	Y	Y	DW	DW
PHASE 4 ALT	R	R	G	G	FL-WK	FL-WK
PED CLEAR	R	R	G	G	FL-DW	FL-DW
4 ALT CHANGE	R	R	Y	Y	DW	DW
PRE-EMPTION	G	G	R	R	DW	DW
CHANGE	Y	Y	R	R	DW	DW
FLASHING OPERATION	FLY	FLY	FLR	FLR	DARK	DARK

#### LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
CABLE TV	TV

#### PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF EASTBOUND MD 198 AND FOURTH STREET IN PRINCE GEORGE'S COUNTY, MD. MD 198 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

#### INTERSECTION OPERATION

THE INTERSECTION CURRENTLY OPERATES IN A TWO-PHASE SEMI-ACTUATED MODE WITH AN ALTERNATE PEDESTRIAN PHASE ACROSS THE WEST LEG OF MD 198. THE PHASING WILL BE CHANGED TO INCLUDE AN EASTBOUND MD 198 PRE-EMPTION PHASE.

#### PROJECT CONSTRUCTION

WORK WILL INCLUDE INSTALLING AN OPTICOM PRE-EMPTION SYSTEM, REPLACING A SIGNAL INDICATION WITH A BLACK FACE SIGNAL AND INSTALLING DETECTION FOR FOURTH STREET.

#### EQUIPMENT LIST "A"

A. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE SHA.

ITEM NO.	QUANTITY	DESCRIPTION
9001	1 EA	DETECTOR RACK POWER SUPPLY
9046	1 EA	DETECTOR RACK RETROFIT
9086	1 EA	VIDEO DETECTION INTERFACE EQUIPMENT, 1-4 CAMERAS

#### EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR  
ALL EQUIPMENT SHALL HAVE CATALOG CUTS SUBMITTED TO OOTS FOR APPROVAL PRIOR TO INSTALLATION.

ITEM NO.	QUANTITY	DESCRIPTION
8007	1 EA	FURNISH AND INSTALL CONTROL CABLE, 100 FT., VIDEO DETECTION CAMERA TO CONTROLLER
8058	1 EA	FURNISH AND INSTALL VIDEO DETECTION CAMERA
8059	1 EA	FURNISH AND INSTALL DISCRIMINATOR MODULE, 4 CHANNEL, NO. 764
8061	1 EA	FURNISH AND INSTALL OPTICOM NO. 721 DETECTOR EYE
8077	12 EA	FURNISH AND INSTALL 12 IN. VEHICLE TRAFFIC SIGNAL HEAD SECTION
8079	75 LF	FURNISH AND INSTALL 4-CONDUCTOR OPTICOM CABLE
8085	25 LF	FURNISH AND INSTALL 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
8086	125 LF	FURNISH AND INSTALL 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)

FOURTH STREET

RED-LINE REVISION 1  
3-14-05  
REPLACE SIGNAL HEADS

REVISIONS	APPROVALS
9-23-2004 TMZ B 5-8-1985 WJR 5-3-1985 WJR	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION SHA NO. ATC-1005 SHA NO. 855-25003 SHA NO. AWB03-503-379 DIRECTOR, OFFICE OF TRAFFIC & SAFETY



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION  
Office of Traffic & Safety  
TRAFFIC ENGINEERING DESIGN DIVISION  
TRAFFIC SIGNAL PLAN  
EASTBOUND MD 198 AND FOURTH STREET

DRAWN BY: W. RICHARDSON	F.A.P. NO. 1913C	TS NO. 1913C	SHEET NO. 1 OF 11
CHECKED BY: AUB	S.H.A. NO. AWB03-503-376	T.I.M.S. NO. G492	
SCALE: 1" = 20'	COUNTY: PRINCE GEORGE'S	LOG MILE: 16019803.24	
DATE: 6-28-1983			